IL-10 polyclonal antibody

Catalog: BS67737 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Interleukin-10 (IL-10) is an anti-inflammatory cytokine that is produced by T cells, NK cells, and macrophages. IL-10 initiates signal transduction by binding to a cell surface receptor complex consisting of IL-10 RI and IL-10 RII, leading to the activation of Jak1 and Tyk2 and phosphorylation of Stat3. The anti-inflammatory activity of IL-10 is due to its ability to block signaling through other cytokine receptors, notably IFN-γ receptor, by up-regulating expression of SOCS1. In addition, IL-10 promotes T cell tolerance by inhibiting tyrosine phosphorylation of CD28. IL-10 is an important negative regulator of the immune response, which allows for maintenance of pregnancy. In contrast, increased IL-10 levels contribute to persistent Leishmania major infections.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 22 kDa

Swiss-Prot:

P22301

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100)

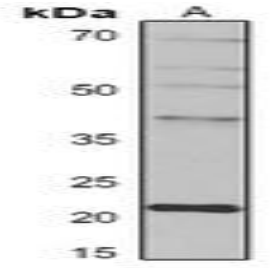
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

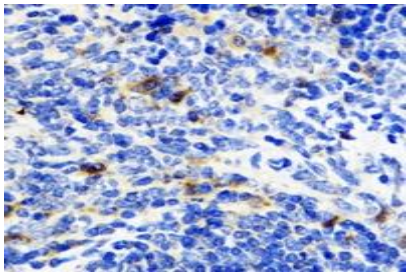
Specificity:

Recognizes endogenous levels of IL-10 protein.

DATA:



Western blot analysis of IL-10 expression in Jurkat (A) whole cell lysates.



Immunohistochemical analysis of IL-10 staining in mouse spleen formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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